Please type a plus sign (+) inside this box TM

Approved for use through 05/31/2003. OMB 0651-0031

U.S. Patent and Trademark Office; U.S. DEPARTMENT OF COMMERCE

Under the Paperwork Reduction Act of 1995, no persons are required to respond to a collection of information unless it contains a valid OMB control number.

OIPE				Under the Paperwork Reduction Act of 19 in	95, no persons are required to respondention unless it contains a valid O	nd to a collection of MB control number
Substitute for form 1449A/PTO				Application Number	10/040,963	
				Filing Date	1/5/2002	
INFO	RMATION DETERMENT BY	NSCLO	JOSURE JOSURE	First Named Inventor	Steven Teig	
PADE LE	I EMICIAL DI	AFFL	.ICAN	Group Art Unit	2825	1
(1	use as many sheets	s as neces	ssary)	Examiner Name	Vuthe Siek	
Sheet	1	of	1	Attorney Docket Number	SPLX.P0023	

U.S. PATENT DOCUMENTS							
Examiner* Initials	Cite No.1	U.S. Petent Docum Number Kind Co- (if know	de ²	Date of Publication MM-DD-YYYY	Name of Patentee or Applicant of Cited Document	Pages, Columns, Lines, Where Relevant Passages or Relevant Figures Appear	
is	1.	2003/0121017	A1	06-26-2003	Andreev et al.		
V >	2.	6,088,519		07-11-2000	Koford		

NON PATENT LITERATURE DOCUMENTS							
Examiner* Initials	Cite No.1	Include name of the author (in CAPITAL LETTERS), title of the article (when appropriate), title of the item (book, magazine, journal, serial, symposium, catalog, etc.), date, page(s), volume-issue number(s), publisher, city and/or country where published.	T ⁶				
1/5	3.	Chen et al., Optimal Algorithms for Bubble Sort Based Non-Manhattan Channel Routing, May 1994, Computer-Aided Design of Integrated Circuits and Systems, IEEE Transactions Volume: 13 Issues, pp. 603-609.					
N)	4.	Cong, J. et al., Multilevel Approach to Full Chip Gridless Routing, 11/2001, IEEE, pp. 396-403.					
VS	5.	Yan et al., Three-Layer Bubble-Sorting —Based Non-Manhattan Channel Routing, ACM Transactions on Design Automation of Electronic Systems, Vol. 5, No. 3, July 2000, pp.726-734.					

Examiner	1	C. 5.4	l Date	1010	10 0
	1/UTHE	1116		(2/1)	1 mod
Signature	10(1)10	710-	Considered		1009

^{*} EXAMINER: Initial if reference considered, whether or not citation is in conformance with MPEP 609. Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant. Applicant's unique citation designation number(optional). See Kinds Codes of USPTO Patent Documents at www.uspto.gov or MPEP 901.04. Enter Office that issued the document, by the two-letter code (WIPO Standard ST.3). For Japanese patent documents, the indication of the year of the reign of the Emperor must precede the serial number of the patent document. Kind of document by the appropriate symbols as indicated on the document under WIPO Standard ST. 16 if possible. Applicant is to place a check mark here if English language Translation is attached.

This collection of information is required by 37CFR 1.97 and 1.98. The information is required to obtain or retain a benefit by the public which is to file (and by the USPTO to process) an application. Confidentiality is governed by 35 U.S.C. 122 and 37 CFR 1.14. This collection is estimated to take 2 hours to complete, including gathering, preparing, and submitting the completed application form to the USPTO. Time will vary depending upon the individual case. Any comments on the amount of time you require to complete this form and/or suggestions for reducing the burden, should be sent to the Chief Information Officer, U.S. Patent and Trademark Office, U.S. Department of Commerce, P.O. Box 1450, Alexandria, VA 22313-1450. DO NOT SEND FEES OR COMPLETED FORMS TO THIS ADDRESS. SEND TO: Commissioner for Patents, P.O. Box 1450, Alexandria, VA 22313-1450.